

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for controlling a screen brightness value of a terminal comprising:

a controller ~~which~~that controls the terminal to sense an illumination intensity of a photographed object around the terminal, the photographed object comprising a digital image having a plurality of pixels, the controller to determine a level of the illumination intensity from a data table based on a most frequently detected brightness value of the pixels in the digital image, wherein the data table includes a first range of brightness peak values and a second range of brightness peak values different than the first range of brightness peak values, the data table further including a first illumination intensity value corresponding to the first range of brightness peak values and a second illumination intensity value corresponding to the second range of brightness peak values, wherein the controller determines that the most frequently detected brightness value falls within the first range of brightness peak values and the controller reads the first illumination intensity value from the data table based on the most frequently detected brightness value; and

a display unit ~~which~~that controls the screen brightness value of the terminal based on the level of first illumination intensity determined value read from the data table by the

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controller ~~using~~ based on the most frequently detected brightness value that falls within the first range of brightness peak values.

2. (Previously Presented) The apparatus according to claim 1, wherein the terminal includes a camera.

3. (Original) The apparatus according to claim 2, wherein the controller controls the camera to photograph the object when a user manipulates or uses the terminal.

4. (Canceled)

5. (Previously Presented) The apparatus according to claim 1, wherein the display unit sets the screen brightness value of the terminal based on the most frequently detected brightness value of the pixels in the digital image.

6. (Original) The apparatus according to claim 1, wherein, for a predetermined time period, the controller continuously controls the terminal to sense the illumination intensity and to determine the level of illumination intensity, and the display unit continuously controls the screen brightness value of the terminal.

7. (Currently Amended) The apparatus according to claim 6, wherein, ~~if~~ when the predetermined time period has expired and a user then manipulates or uses the terminal, the controller again starts controlling the terminal to sense the illumination intensity and to determine the ~~level of~~ illumination intensity value, and the display unit again starts controlling the screen brightness value of the terminal.

8-9. (Canceled)

10. (Original) The apparatus according to claim 1, wherein the terminal is a mobile terminal.

11. (Currently Amended) A method for controlling a screen brightness value of a terminal comprising:

controlling the terminal to sense an illumination intensity of a digital image having a plurality of pixels and to determine a level of the illumination intensity, from a data table storing information related to different illumination intensity levels, based on a most frequently detected brightness value of the pixels, wherein the data table includes a first range of brightness peak values and a second range of brightness peak values different than the first range of brightness peak values, the data table further including a first illumination intensity value corresponding to the first range of brightness peak values and a second illumination intensity value corresponding to the second range of brightness peak values, wherein the controlling

includes reading the first illumination intensity value from the data table based on the most frequently detected brightness value corresponding to the first range of brightness peak values;
and

controlling the screen brightness value of the terminal based on the ~~determined~~
~~level of the first illumination intensity~~ value read from the data table.

12. (Original) The method according to claim 11, wherein the terminal includes a camera, and wherein the terminal is controlled to sense the illumination intensity by controlling the camera to photograph an object around the terminal.

13. (Original) The method according to claim 12, wherein the camera is controlled to photograph the object when a user manipulates or uses the terminal.

14. (Previously Presented) The method according to claim 12, wherein the photograph comprises the digital image.

15. (Previously Presented) The method according to claim 14, further comprising:
setting the screen brightness value of the terminal based on the most frequently detected brightness value of the pixels in the digital image.

16. (Original) The method according to claim 12, wherein, for a predetermined time period, the terminal is continuously controlled to sense the illumination intensity and to determine the level of illumination intensity, and the screen brightness value of the terminal is continuously controlled.

17. (Currently Amended) The method according to claim 16, wherein[, if]when the predetermined time period has expired and a user then manipulates or uses the terminal, the terminal is again controlled to sense the illumination intensity and to determine the ~~level of~~ illumination intensity value, and the screen brightness value of the terminal is again controlled.

18. (Canceled)

19. (Currently Amended) The method according to claim ~~[[18]]~~11, wherein determining the ~~level of the~~ illumination intensity value includes:

reading the first illumination intensity value from the data table based on the most frequently detected brightness value of the pixels corresponding to the first range of brightness peak values,

wherein the screen brightness value of the terminal is controlled based on the first illumination intensity value read from the data table.

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20. (Original) The method according to claim 11, wherein the terminal is a mobile terminal.

21. (Currently Amended) A computer program product ~~for controlling comprising a processor-useable medium having a processor-readable program, wherein the processor-readable program when executed causes the processor to control~~ a screen brightness value of a terminal, comprising:

a first instruction for causing a computer code which controls executing said instruction to control the terminal to sense an illumination intensity of a photographed object around the terminal, the photographed object comprising a digital image having a plurality of pixels, the first ~~computer code instruction~~ to determine a level of the illumination intensity from a data table based on a most frequently detected brightness value of the pixels in the digital image, wherein the data table includes a first range of brightness peak values and a second range of brightness peak values different than the first range of brightness peak values, the data table further including a first illumination intensity value corresponding to the first range of brightness peak values and a second illumination intensity value corresponding to the second range of brightness peak values, wherein the first instruction causes the computer executing the instruction to determine that the most frequently detected brightness value falls within the first range of brightness peak values and the first instruction causes the computer to read the first illumination intensity value from the data table based on the most frequently detected brightness value of the pixels; and

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a second instruction for causing a computer code which controls executing said instruction to control the screen brightness value of the terminal based on the level of first illumination intensity determined value read from the data table by the first computer code using instruction based on the most frequently detected brightness value that corresponds to the first range of brightness peak values.

22. (Previously Presented) The computer program product according to claim 21, wherein the terminal includes a camera.

23. (Currently Amended) The computer program product according to claim 22, wherein the first ~~computer code controls~~ instruction causes the computer executing the instruction to control the camera to photograph the object when a user manipulates or uses the terminal.

24. (Canceled)

25. (Currently Amended) The computer program product according to claim 21, wherein the second ~~computer code sets~~ instruction causes the computer executing the instruction to set the screen brightness value of the terminal based on the most frequently detected brightness value of the pixels in the digital image corresponding to the first range of brightness peak values.

26. (Currently Amended) The computer program product according to claim 21, wherein, for a predetermined time period, the first ~~computer code instruction causes the computer executing the instruction to continuously controls-control~~ the terminal to sense the illumination intensity and to determine the ~~level-of~~ illumination intensity value, and the second ~~computer code instruction causes the computer executing the instruction to continuously controls-control~~ the screen brightness value of the terminal.

27. (Currently Amended) The computer program product according to claim 26, wherein, ~~if~~ when the predetermined time period has expired and a user then manipulates or uses the terminal, the first ~~computer code instruction causes the computer executing the instruction to again starts-start~~ controlling the mobile terminal to sense the illumination intensity and to determine the ~~level-of~~ illumination intensity value, and the second ~~computer code instruction causes the computer executing the instruction to again starts-start~~ controlling the screen brightness value of the terminal.

28-30. (Canceled)